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ADDITIONS TO THE LIST OF THE HEMIPTEROUS FAUNA OF KANSAS.

By F. F. CREVECŒUR, Onaga.

Read before the Academy, at Topeka, December 29, 1904.

IT appears that there has not been any list of the Hemiptera of Kansas published since that of Prof. E. A. Popenoe, in volume IX of the Transactions of the Kansas Academy of Science, on pages 62 *et seq.;* so the writer has thought it incumbent upon him to make out a list of additions to that list, comprising the unlisted species collected by him, and of others mentioned in publications to which he has had access.

With the exception of the nine species of coccids at the end of this list, which are found mentioned in Bulletin No. 98 of the Kansas State Agricultural College, the species in this list were, with the exception noted in its proper place, collected by the writer within a few miles of his home, five miles northeast of Onaga. There are 147 species in Professor Popenoe's list and 244 in this, and, making allowance for about ten species that may perhaps with safety be referred to both lists, we have a total of 381 species so far reported from the state.

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HETEROPTERA.

Homœmus grammicus Wolff. On weeds on high prairie. June.
ænifrons Say. On weeds in slough. September. Rare.
Corimelæna atra A. & S. On weeds in slough. May.
Amnestus spinifrons Say. On weeds in slough. May.
Perillus confluens H. Sch. In houses in winter.
Podisus cynicus Say. On weeds in timber. June.
Podops cinctipes Say. Under stones on prairie. April.
Neotiglossa sulcifrons Stal. On prairie. June.
Euschistus tricinctus. On weeds in timber. September.
Coenus delius Say. On weeds in low meadow. June.
Hymenarcys nervosa Say. On weeds in timber. June.
Nezara hilaris Say. On weeds in timber. May.
Catorintha mendica Stal. On weeds in timber. June.
Anasa armigera Say. On weeds in timber. June.
Alydus 5-spinosus Say. On weeds in timber. August, September.
Jalysus spinosus Say. On Gaura biennis. August.
Orcillacus productus Uhl. On forest-trees. April.
Ischnorhynchus didymus Zett. On Symphoricarpus vulgaris. April.

Cymus angustatus Stal. On weeds in slough. July.
Geocoris fuliginosus Say. Under wood in dooryard. November.
Cryphula parallelogramma Stal. Under wood in timber. March.
Œdancala dorsalis Say. Under sticks in dooryard. April?
Lygyrocoris sp.
Ptochiomera clavigera Uhl. Under wood in dooryard. October, November.
nodosa Uhl. Under stones in dooryard. November.
Cnemodus mavortius Say. Under stones on bank in timber. October.
Taleonemia elongata Uhl. On weeds in slough. May, June.
Emblethus arenarius Linn. Under sticks in orchard. October.
Peritrechus fraternus Uhl.
Peliopelta abbreviata Uhl. Under stones at edge of field. April.
Pamera basalis Dall. Under sticks in orchard. October.
Psilophorus confusus Kirsch. In orchard. July.
Melanocoryphus facetus Say.
Trigonotylus ruficornis Fall. On weeds on prairie. August.
Miris rubillus Uhl. At light. August.
Collaris oculata Reut. On weeds in timber. June.
Garganus fusiformis Say. On weeds in timber. June.
Calirmiris uhleri Reut. In low meadow. June.
Lopidea media Say. On weeds in timber. June.
Oncognathus binotatus Fabr. On weeds in timber. June.
Hadronema militaris Uhl. On weeds on prairie. June.
pulverulenta Uhl. On weeds in timber. June.
Phytocoris eximius Reut. On weeds in timber. June.
Neurocolpus nubilus Say. On weeds in timber. June.
Calocoris superbus Uhl. On weeds in timber. June.
bipunctatus Fabr. On weeds in timber. June.
Lygus sp. In timber. May.
Neoborus petitii Uhl. On weeds near water in timber. June.
Pœcilocapsus gonipherus Say. On weeds in timber. May.
Calicapsus histrio Reut. On Symphoricarpus vulgaris. April.
Systratiotus americanus Reut. On weeds in timber. June.
venaticus Uhl. On weeds in slough. June.
Camptobrochis grandis Uhl. On weeds in timber. June.
Orthops scutellaris Uhl. In grove on prairie. June.
Pamerocoris anthocoroides Uhl. On weeds in timber. June.
Myacœlum catulum Uhl. On cottonwood in grove. June.
Diommatus congrex Uhl. Under piece of cloth in tree in grove. July.
Halticus uhleri Girard. On weeds in slough. July.
Cyrtopeltocoris sp. On weeds in pasture. October.
Dicyphus californicus Stal. On hazel bushes. June.
Eucerocoris guttulatus Uhl. On weeds in timber. July.
Episcopus ornatus Reut. On Ambrosia artemisiæfolia. August.
Hyalioides vitripennis Say. On hazel bushes. July.
Plagiognathus pallipes Uhl. On hazel. June.
obscurus Uhl. On weeds on prairie. June.
sp. On prairie. June.
Malorocoris irroratus Say. On bur-oak in orchard. July.
Agalliastes decolor Uhl. At light. August.
simplex Uhl. On weeds in timber. June.
signata Uhl. In orchard. June.
associatus Uhl. On weeds along road. June.

Melinna modesta Uhl. Under cloth in tree in orchard. July.
pumila Uhl. In orchard. July.
minuta Uhl. On weeds on prairie. July.
Psallus sp. On weeds in pasture. September.
Lyctocoris campestris Fabr. In low meadow. June.
Triphleps insidiosus Say. On flowers of Helianthus sp. September.
Anthocoris musculus Say. Under cloth in cottonwood tree.
Piesma cenerea Say. On Amarantus chlorostachya. August.
Corythuca ciliata Say. On weeds in timber. June.
sp. On weeds in timber. May.
sp. In timber. May.
Gargaphia amorphæ Walsh. On bushes in timber. May.
Leptostyla oblonga Say. On weeds in slough. May.
Tingis clavata Say. On weeds on prairie. June.
Physatochila plexa Say. On weeds in slough. May.
Aradus robustus Uhl. Under sticks in orchard. November.
Phymata angulata. On flowers of Compositæ on prairie. June.
Coriscus ferus Linn. Under stones on prairie. April.
Diplodus luridus Stal. On weeds in timber. May.
Emesa longipes DeGeer. On weeds in timber. August.
sp. Under stones on prairie. October, April.
Hygrotrechus remiges Say. On water in streams. May.
Limnotrechus marginatus Say. On water in streams. April, October.
Hebrus pusillus Burm. About a spring on creek bank. April.
Salda interstialis Say. On sandy beach. June.
humilis Say. In swamp. May.
Mesoretia bisignata Uhl. On water of stock pond. August.
Ranatra fusca P. B. In ponds and streams. April.
Corisa scutellata. In stock pond. March, October.
harrisii Uhl. In stock pond. March, October.

HOMOPTERA.

Cicada dorsata Say. On prairie. August, September.
pruinoso Say. In timber. July, September.
Publilia concava Say. On weeds in timber. June.
Entilia sinuata Fabr. On weeds in timber. May.
Ceresa albidospersa Stal. On hazel bushes. July.
Cyrtolobus vau Say. On bushes in timber. June.
sp. In timber. June.
Ophioderma salamandræ Fairm. On Psoralea floribunda. June, July.
Vanduzea vestita Godg. On Psoralea floribunda. June, July.
Phylloscelis atrata Germ. On the prairie. July.
Dictyophora macrorhina Walk. On weeds in timber. August.
Cixius stigmaticus Say. On weeds in timber. June.
Oliarus humilis Say. On weeds in timber. August.
sp. On the prairie. July.
sp. On the prairie. July.
Ketsea crocea Van D. On weeds in timber. May, June.
Stenocranus lautus Van D. On weeds in a swamp. June 15. Rare.
Delphacinus sp.
Œcalus decens Stal. On weeds in slough. June.
Stiprosoma stygica Say. On weeds in timber. May.

Liburnia osborni Van D.
puella Van D.
Lamenia vulgaris Fitch. On weeds in timber. August.
Otiocera wolfii Kirby. On weeds (Urtica gracilis?) in timber. July.
degeeri Kirby. On weeds (Urtica gracilis?) in timber. August.
Bruchomorpha dorsata Fitch. On weeds on prairie. August.
Naso robertsonii Fitch. On weeds on prairie. June.
Dryotura robusta O. & B. On weeds on prairie. June.
Peltonotellus bivittatus Ball. On weeds on prairie. July 3. Rare.
Clastoptera xanthocephala Germ. On weeds in timber. August.
obtusa Say. On weeds in timber. June.
proteus Fitch. On weeds in timber. June.
Moncephora bicincta Say. On weeds in slough. June.
Bythoscopus distinctus Van D. On walnut. June.
Pediopsis tristis Van D. At light. July.
suturalis O. & B. On Salix amygdaloides. June.
punctifrons Van D. In orchard. June.
trimaculata Fitch. In orchard. June.
Idiocerus dugeei Prov. At Westmoreland, Kan. July.
pallidus Fitch. On weeds in pasture. July.
Agallia novella Say. On weeds in timber. August.
quadripunctata Prov. On weeds in timber. May.
sanguineolenta Prov. On prairie. August.
Xestocephalus pulicarius Van D. On weeds in pasture. July.
Tettigonia bifida Say. On weeds in timber. August.
Xerophlœa peltata Uhl. On prairie. October.
viridis Fabr. On prairie. August.
Gypona melanota Speng. On weeds in timber. July.
albomarginata Woodw. On weeds in timber. June.
pectoralis Spang. On prairie. June.
sp. On weeds in timber. June.
Hecalus lineatus Uhl. In low meadow. August.
Penthimia atra Fabr. On weeds in timber. June.
Paramesius stramineus O. & B. On weeds on prairie. June.
Parabolocratus flavideus Sign. On weeds in pasture. June.
Platymetopius frontalis Van D. On hazel. June.
fuscifrons Van D. On weeds in timber. May.
Deltocephalus compactus O. & B. On prairie. June.
sayi Fitch. On weeds on prairie. September.
flavocosta Stal. On weeds on prairie. August.
melsheimeri Fitch. On weeds in slough. May.
oculatus O. & B. On weeds in slough. July.
inimicus Say. On weeds in slough. October.
Athysanus magnus O. & B. In pasture. October.
exitiosa Uhl. On weeds in pasture. October.
obtusus Van D. On weeds in pasture. October.
bicolor Van D. On weeds in pasture. June.
anthracinus Van D. On weeds in timber. June.
comma Van D. On Cassia chamæchrista. August.
Phlepsius majestus O. & B. In timber.
altus O. & B. On weeds in pasture. July.
infumatus. On Ambrosia artemisiæfolia. August.
irroratus Say. On weeds on prairie. August.

Thamnotettix clitellarius Say. On hazel. June.
kennicotti Uhl. On hazel. July.
Eutettix strobi Fitch. On weeds in timber. June.
cincta O. & B. At light. August 3. Rare.
Chlorotettix tergata Fitch. On grasses. June.
spatulata O. & B. In pasture. July.
lusoria O. & B. On weeds in timber. June.
galbanata Van D.
Gnathodus abdominalis Van D. On blue-grass. July.
Cicadula exnotata Fabr. On weeds in pasture.
quadrilineata Forbes. On weeds in pasture. May.
variata Fall. On weeds in pasture. October.
Alebra albostriella Fieb. On bur-oak in orchard. July.
Diacraneura abnormis Walsh. On weeds in pasture. July.
Empoasca pura Stal. On hazel. June.
mali LeBaron. On apple. July.
unicolor Gill. On Amorpha fruticosa. July.
flavescens Fabr. Under dead leaves in timber. March.
obtusa Fitch. In orchard.
Typhlocyba tricincta Fitch. Under dead leaves in timber. March, April.
rubroscuta Gill. Under dead leaves in timber. March, April.
trifasciata Say. Under dead leaves in timber. March, April.
obliqua Say. Under dead leaves in timber. March, April.
dorsalis Gill. On apple. October.
nævus Gill. Under dead leaves in timber. March, April.
fumida Gill. Under dead leaves in timber. March, April.
comes Say. On apple. October.
maculata Gill. Under dead leaves in timber. March, April.
basilaris Say. Under dead leaves in timber. March, April.
vitis Harris. Under dead leaves in timber. March, April.
ziczac Walsh. On the prairie. July.
coloradensis Gill. Under dead leaves in timber. March, April.
scutellaris Gill. Under dead leaves in timber. March, April.
infuscata Gill. Under dead leaves in timber. March, April.
comes comes Say. Under dead leaves in timber. March, April.
vulnerata Fitch. Under dead leaves in timber. March, April.
querci Fitch. On bur-oak in orchard. July.
querci bifasciata G. & B. In timber. May.
crevecœuri Gill. Under dead leaves in timber. March, April.
niger Gill. In grove. April.
bakeri. In timber. May.
Psocus bifasciatus Walsh. On weeds in timber. August.
sp. On cottonwood. July.
sp. In pasture. October.
sp. In orchard. October.
Pemphigus populi-transversus Riley & Monell. On Salix longifolia. May.
Siphonophora rudbeckiæ Fitch.
Trioza diospyri Ashm. In orchard. April.
Chaitophorus negundinis Thos. On box-elder. May.
Coecilius sp. On apple. June.

Aphis sp. On apple. June.
sp. On cherry. June.
sp. On apple. June.
sp. On weeds in orchard. June.
sp. On Prunus americana. June.
Phlœothrips caryæ Fitch, In timber. June.
Aleyrodes sp. On weeds in slough. May.
sp. On bur-oak in orchard. July.
Hæmatopinus urius Nitzsch. On domestic hog.
piliferus Burm. On young dog. February.
Antonina bouteloua Popenoe. On Bouteloua hirsuta; Manhattan, May.
purpurea Sign. On Milium and Agropyrum; Manhattan, April 25.
nortoni Parrott & Ckll. On Milium racemosa; Manhattan, April 2.
graminis Pope. On Eragrostis trichoides; St. George, May 30. On Bulbilis dactyloides; Manhattan. On Eragrostis trichoides, E. pectinacea, Paspalum ciliatifolium; Hutchinson. On E. trichoides; Nickerson, August.
Gymnococcus nativus Pope. On Sporobolus cryptandrus; Nickerson, August.
Aspidiotus marlatti Parrott. On Andropogon furcatus, A. scoparius, Panicum virgatum, and Chrysopogon arenaceus.
Eriococcus kemptoni Pope. On Andropogon scoparius; Riley county, June 1. On Andropogon scoparius; Dundee, August.
Pseudolecanium obscurum Pope. On Andropogon scoparius; Lost Springs, Parsons, and Fredonia. On Andropogon scoparius and Sporobolus longifolius; Green Mound, October 28.
californicum Ehrhorn. On Andropogon furcatus; Manhattan and St. George.